



# Detailed Design Document – Struts FSA Financial Partners Portal - Release 2

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## **1.1 Community Search (community.jsp)**

### **1.1.1 General Attributes**

<b>File Name</b>	community.jsp
<b>Enhancements (not detailed)</b>	- Improved pagination on results page. - Added the following columns of information to results page: Id, City, State, Zip
<b>Description</b>	This will allow users to locate organizations within the financial partners community. They will consist of GA's, lenders, servicers, FFEL Schools, Direct Loan Schools, SGA's, and trade associations.
<b>Navigation Components Used</b>	Left Navigation; Header; Right Navigation; Footer
<b>Points of Entry</b>	Left Nav (left.jsp); Site Map (sitemap.jsp)

### **1.1.2 Data Elements**

<b>Form Name</b>	commSearch					
<b>Focus</b>						
<b>Action</b>	/fp/commsearch/commSearch.activity					
<b>Data Element Name</b>	<b>Display Mode (RW/RO)</b>	<b>Required?</b>	<b>Data Element Type</b>	<b>Min Length</b>	<b>Max Length</b>	<b>Pages Spanned</b>
query	RW	N	Textbox			
keyword			Hidden			
category						
letter						

### **1.1.3 Control-Action-Response**

<b>HTML Control Links</b>	<b>Action (event)</b>	<b>Response</b>
Guaranty Agencies	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
Lenders	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.

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Servicers	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
Trade Associations	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
State Grant Agencies	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
FFEL Schools	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
Secondary Markets	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
Direct Loan Schools	Hyperlink (link to an action and putting the category in the query string).	The results page is shown (commresults.jsp) with only communities from that category.
ALL	Hyperlink (link to an action and putting all categories in the query string).	The results page is shown (commresults.jsp) with communities from all categories.
A	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
B	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
C	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.

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D	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
E	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
F	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
G	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
H	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
I	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
J	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
K	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
L	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.

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M	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
N	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
O	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
P	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
Q	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
R	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
S	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
T	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
U	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.

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V	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
W	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
X	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
Y	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.
Z	Hyperlink (link to an action and putting the letter in the query string).	The results page (commresults.jsp) is shown with only communities that begin with that letter.

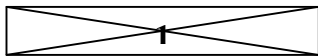
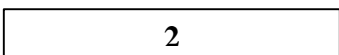
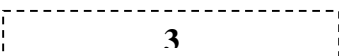


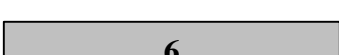


#### 1.1.4 Detailed Mock-Up

	A	B	C	D
1	<div>1</div> <div>2</div>			
2	<div>3</div> <div>6</div> <div>9</div>	<div>4</div> <div>7</div> <div>10</div>	<div>5</div> <div>8</div> <div>11</div>	<div>12</div>
3				
4				

#	Type	Description	Link
1	Text	Community Members Header	
2	Text	Introductory paragraph	
3	Text box	Community Locator Query	
4	Image	Go Image	The results page (commresults.jsp) is shown with results related to query.
5	Text	Paragraph explaining Community Locator	
6	Dropdown	Categories to search on	
7	Dropdown	Letter to search on	

8	Image	Go Image	The results page (commresults.jsp) is shown with results from category and letter chosen.
9	Dropdown	Categories to search on	
10	Text box	Query to search on	
11	Image	Go Image	The results page (commresults.jsp) is shown with results from category and query entered.
12	Text	Paragraph explaining searching options	

#### Key for Detailed Mock-Up

Type	Description	Example
Image	A solid-border text box with an 'x' through it	
Text Header	A solid-border text box	
Paragraph	A dashed-border text box	
Link	A dotted-border text box	
Bulleted Item	A type appropriate text box, with a bullet before the item number	
Text Box	A grey solid-border text box	
Button	A blue solid-border text box	
Dropdown	A grey dashed-border text box	

#### 1.1.5 Action Form Class





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#### **1.1.5.1 General Attributes**

<b>File Name</b>	commSearchForm.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.commsearch
<b>Assumptions</b>	
<b>Description</b>	This form class will do the ‘gets’ and ‘sets’ for the fields within the community searching form.
<b>Import Classes</b>	javax.servlet.http.* javax.servlet.* org.apache.struts.action.*

#### **1.1.5.2 Variables**

<b>Name</b>	<b>Type</b>	<b>Description</b>
intSearchType	Integer	This will hold the type of searching a user is trying to do (e.g. alpha=1, category=2, keyword=3)
strSearchParam	String	This is the parameter a user is searching on.

#### **1.1.5.3 Methods**

##### **Function**

<b>Function Name</b>	<b>Return</b>	<b>Arguments</b>	<b>Usage Description</b>
Public Integer getSearchType()	this.intSearchType		Gets the integer for search type.
Public String getSearchParam	this.strSeachParam		Gets the string containing the search parameter.
Public void setSearchType	This.intSearchType	Integer intSearchType	Sets the search type
Public void setSearchParam	This.strSearchParam	String strSearchParam	Sets the search parameter.

#### **1.1.6 Action Class**

##### **1.1.6.1 General Attributes**

<b>File Name</b>	commSearchAction.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.commsearch



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<b>Assumptions</b>	
<b>Description</b>	Action class to handle the retrieval of search results.
<b>Import Classes</b>	java.io.*; javax.servlet.http.*; javax.servlet.*;  org.apache.struts.action.*;  gov.ed.sfa.ita.struts.StrutsConstants; gov.ed.sfa.ita.email.*; gov.ed.sfa.ita.logging.*;

#### 1.1.6.2 Methods

##### Function

Function Name	Usage Description
getsRecs	This will call a class that will retrieve the data based upon the user's search.

#### 1.1.7 Struts Configuration File (struts-config.xml)

##### 1.1.7.1 Action Mappings

Note: see [here](#) for more details.

<ACTION> TAG					
Attributes		Path	Type	Name	Validate?
1		/commsearch	gov.ed.sfa.ita.struts.comms earch.CommSearchAction	commSeachForm	False

Note: these are not global forwards! These are within the action.

<FORWARD> TAG			
Attributes→	Name	Path	<other>
1	default	/fp/commsearch/community.jsp	
2	results	/fp/commsearch/commresults.jsp	
3	alphareresults	/fp/commsearch/alphareresults.jsp	
4	keywordresults	/fp/commsearch/kwordresults.jsp	

##### 1.1.7.2 Form Bean Definition

<FORM-BEANS> TAG		
Attributes→	Name	Type
1	commSeachForm	gov.ed.sfa.ita.struts.commsearch.CommSearchForm

## 1.2 Search Results (srchresults.jsp)

### 1.2.1 General Attributes

<b>File Name</b>	srchresults.jsp
<b>Enhancements (not detailed)</b>	Search results will now have pagination capabilities.
<b>Description</b>	This page will provide results from a search.
<b>Navigation Components Used</b>	Left Navigation; Header; Right Navigation; Footer
<b>Points of Entry</b>	Search (search.jsp); Advanced Search (advsearch.jsp)

### 1.2.2 Data Elements

<b>Form Name</b>	searchForm					
<b>Focus</b>	query					
<b>Action</b>	/fp/fpsearch.activity?action=results					
Data Element Name	Display Mode (RW/RO)	Required?	Data Element Type	Min Length	Max Length	Pages Spanned
query	RW	Y	Hidden			
threshold		Y	Hidden			
numresults			Hidden			
SummaryCB			Hidden			
DBs			Hidden			
Pubdate			Hidden			
Postdate			Hidden			

### 1.2.3 Control-Action-Response

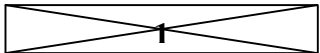
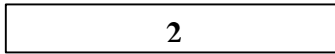

HTML Control Links	Action (event)	Response
Retry	Click	User taken back to advanced search page (advsearch.jsp).
Dept of ED	Click	User taken to Dept of ED site (www.ed.gov).

#### 1.2.4 Detailed Mock-Up

	A	B	C	D
1	1			
	2			
2	3			
3	4			
4				

#	Type	Description	Link
1	Text	Search Results Header	
2	Text	Introductory Information	
3	Text/Links	Search Results	Links to results
4	Link	Reference on where to find information	Dept of ED link (www.ed.gov)



#### Key for Detailed Mock-Up

Type	Description	Example
Image	A solid-border text box with an 'x' through it	
Text Header	A solid-border text box	
Paragraph	A dashed-border text box	



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Link	A dotted-border text box	
Bulleted Item	A type appropriate text box, with a bullet before the item number	

#### **1.2.5 Action Form Class**

##### **1.2.5.1 General Attributes**

<b>File Name</b>	searchForm.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.search
<b>Assumptions</b>	
<b>Description</b>	This form class will do the ‘gets’ and ‘sets’ for the form page.
<b>Import Classes</b>	javax.servlet.http.* javax.servlet.* org.apache.struts.action.*

##### **1.2.5.2 Variables**

See ITA portlet documentation.

##### **1.2.5.3 Methods**

See ITA portlet documentation.

#### **1.2.6 Action Class**

##### **1.2.6.1 General Attributes**

<b>File Name</b>	searchAction.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.search
<b>Assumptions</b>	
<b>Description</b>	Action class to handle the retrieval of search results.
<b>Import Classes</b>	gov.ed.sfa.ita.logging.*; gov.ed.sfa.ita.struts.*;  org.apache.struts.action.*; org.apache.struts.util.*;



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	java.io.*; java.util.*;  javax.servlet.*; javax.servlet.http.*;
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#### **1.2.6.2 Methods**

See ITA portlet documentation.

### **1.2.7 Struts Configuration File (struts-config.xml)**

#### **1.2.7.1 Action Mappings**

Note: see [here](#) for more details.

<b>&lt;ACTION&gt; TAG</b>					
<b>Attributes</b>		<b>Path</b>	<b>Type</b>	<b>Name</b>	<b>Validate?</b>
1		/fp/fpsearch	gov.ed.sfa.ita.struts.search. SearchAction	searchForm	False

Note: these are not global forwards! These are within the action.

<b>&lt;FORWARD&gt; TAG</b>				
<b>Attributes→</b>		<b>Name</b>	<b>Path</b>	<b>&lt;other&gt;</b>
1		default	/fp/search/advanced.jsp	
2		advanced	/fp/search/advanced.jsp	
3		results	/fp/search/srchresults.jsp	
4		suggest	/fp/search/listsuggest.jsp	
5		noresults	/fp/search/noresults.jsp	

#### **1.2.7.2 Form Bean Definition**

<b>&lt;FORM-BEANS&gt; TAG</b>		
<b>Attributes→</b>		<b>Type</b>
1		searchForm gov.ed.sfa.ita.struts.search.SearchForm

## **1.3 Calendar (calendar.jsp)**

### **1.3.1 General Attributes**

<b>File Name</b>	calendar.jsp
<b>Assumptions</b>	- Calendar entries may be linkable or non-



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	linkable. - Internal links should open in the same window; external links should open in new window. - The number "1" on the calendar is highlighted when clicked.
<b>Description</b>	This will allow users to see current conferences, training, and deadlines in a calendar type view.
<b>Navigation Components Used</b>	Left Navigation; Header; Footer
<b>Points of Entry</b>	Left Navigation; Site Map

#### 1.3.2 Data Elements

<b>Form Name</b>						
<b>Focus</b>						
<b>Action</b>						
<b>Data Element Name</b>	<b>Display Mode (RW/RO)</b>	<b>Required?</b>	<b>Data Element Type</b>	<b>Min Length</b>	<b>Max Length</b>	<b>Pages Spanned</b>

#### 1.3.3 Control-Action-Response

<b>HTML Control Links</b>	<b>Action (event)</b>	<b>Response</b>
Next Month (>>)	Click	User is taken to a view of that month
Previous Month (<<)	Click	User is taken to the previous month
Deadlines	Click	Refreshes page with a view of deadlines
Training	Click	Refreshes page with a view of training events
Conferences	Click	Refreshes page with a view of conferences
Today	Click	Will take the user back to the current day
Any Day of the Month	Click	Will show the user the events, deadlines, or training for that particular day.
Calendar Entry	Click	URL for calendar entry



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fpportal@ed.gov	Click	Opens user's default mail tool, so community members can inform the CM team of new events.
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#### 1.3.4 Detailed Mock-Up

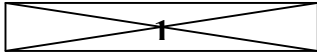

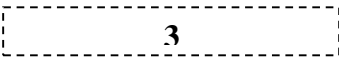

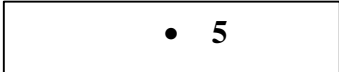
	A	B	C	D
1	<div>1</div>			
	<div>2</div>	<div>3</div>	<div>4</div>	
2	<div>5</div>		<div>6</div>	
3			<div>• 7</div>	
4		<div>8</div>		

#	Type	Description	Link
1	Text	Page Header	
2	Text	Conferences Link	Action will take user to page of all conferences
3	Text	Deadlines Link	Action will take user to page of all deadlines.
4	Text	Training Link	Action will take user to page of all training events.



5	Text	Calendar Area	Next Month, Previous Month, and days will be clickable.
6	Text	Dates of entries	
7	Text	All entries related to the selected category	May or may not link to internal/external page
8	Text	Link to fpportal@ed.gov	Opens default mail tool

### Key for Detailed Mock-Up

Type	Description	Example
Image	A solid-border text box with an 'x' through it	
Text Header	A solid-border text box	
Paragraph	A dashed-border text box	
Link	A dotted-border text box	
Bulleted Item	A type appropriate text box, with a bullet before the item number	

### 1.3.5 Action Class

#### 1.3.5.1 General Attributes

<b>File Name</b>	calendarAction.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.calendar
<b>Assumptions</b>	
<b>Description</b>	Action class to handle the retrieval of calendar data.
<b>Import Classes</b>	gov.ed.sfa.ita.logging.*; gov.ed.sfa.ita.exception.*; gov.ed.sfa.ita.struts.StrutsConstants;  org.apache.struts.action.*;



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	java.util.*; java.io.*;  javax.servlet.*; javax.servlet.http.*;
--	---

#### 1.3.5.2 Methods

See ITA portlet documentation.

### 1.3.6 Struts Configuration File (struts-config.xml)

#### 1.3.6.1 Action Mappings

Note: see [here](#) for more details.

<ACTION> TAG					
Attributes		Path	Type	Name	Validate?
1		/fp/calendar	gov.ed.sfa.ita.struts.calendar.CalendarAction		

Note: these are not global forwards! These are within the action.

<FORWARD> TAG			
Attributes→	Name	Path	<other>
1	calendar	/fp/calendar/calendar.jsp	

## 1.4 Survey (survey.jsp)

### 1.4.1 General Attributes

<b>File Name</b>	survey.jsp
<b>Enhancements (not detailed)</b>	- FP & Students surveys will go to separate mailboxes. - FP surveys will go to fpportal@ed.gov
<b>Description</b>	This will allow users to fill out a survey that will provide site feedback.
<b>Navigation Components Used</b>	Left Navigation; Header; Footer
<b>Points of Entry</b>	Home Page (index.jsp); Site Map (sitemap.jsp)

\* All other data captured in this document will remain the same as R1 for the Survey portlet.



## **1.5 Feedback (feedback.jsp)**

### **1.5.1 General Attributes**

<b>File Name</b>	feedback.jsp
<b>Enhancements (not detailed)</b>	<ul style="list-style-type: none"><li>- FP feedbacks will go to FP mailbox, not a shared mailbox.</li><li>- Date submitted will be recorded in the db.</li><li>- FP feedbacks will go to fportal@ed.gov</li></ul>
<b>Description</b>	This will allow users to fill out a simple feedback form.
<b>Navigation Components Used</b>	Left Navigation; Header; Footer
<b>Points of Entry</b>	Survey (survey.jsp)

\* All other data captured in this document will remain the same as R1 for the Feedback portlet.

## **1.6 Headlines (headlines.jsp)**

### **1.6.1 General Attributes**

<b>File Name</b>	headlines.jsp
<b>Enhancements (not detailed)</b>	<ul style="list-style-type: none"><li>- Headlines may be linkable or non-linkable.</li><li>- Internal links should open in the same window; external links should open in new window.</li><li>- FP &amp; Students headlines will be stored in different tables.</li></ul>
<b>Description</b>	This page is displayed on the home page when headlines need to be made.
<b>Navigation Components Used</b>	Left Navigation, Header, Footer
<b>Points of Entry</b>	Home Page (index.jsp) or site url

### **1.6.2 Data Elements**

<b>Form Name</b>						
<b>Focus</b>						
<b>Action</b>						
<b>Data Element Name</b>	<b>Display Mode (RW/RO)</b>	<b>Required?</b>	<b>Data Element Type</b>	<b>Min Length</b>	<b>Max Length</b>	<b>Pages Spanned</b>



1.6.3 Control-Action-Response

HTML Control Links	Action (event)	Response
Headlines	Click	User taken to corresponding headline page, if applicable.



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#### 1.6.4 Detailed Mock-Up

	A	B	C	D
1	<div><div>1</div><div>2</div></div>			
2				
3				
4				

#	Type	Description	Link
1	Text	Headlines Header	
2	Text	Headline 1-n (linkable/non-linkable)	If link, will take user to corresponding headline information

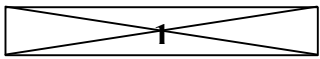
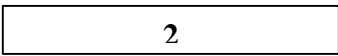


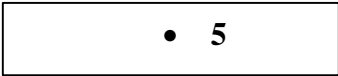
#### Key for Detailed Mock-Up

Type	Description	Example
------	-------------	---------



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Image	A solid-border text box with an 'x' through it	
Text Header	A solid-border text box	
Paragraph	A dashed-border text box	
Link	A dotted-border text box	
Bulleted Item	A type appropriate text box, with a bullet before the item number	

#### **1.6.5 Headlines Class**

##### **1.6.5.1 General Attributes**

<b>File Name</b>	Headlines.java
<b>Package Name</b>	gov.ed.sfa.ita.struts.headlines
<b>Assumptions</b>	
<b>Description</b>	Gets the Headlines from the db
<b>Import Classes</b>	<pre>import gov.ed.sfa.ita.struts.headlines.*; import gov.ed.sfa.ita.struts.access.*;  import java.io.*; import java.util.*;  import javax.servlet.jsp.*;</pre>